

TECHNICAL APPLICATION PROTOCOL

Tomato

Recommended dose per hectare and acre

Biological system for soil, roots and foliar growth

The InnovaTech biological combo for tomato includes 5 applications per cycle: soil preparation, seed inoculation and three foliar applications during early crop development.

1	2	3-5
Soil preparation Soil application by drench or another suitable method.	Seed inoculation Seed coating with the biological solution.	Foliar applications Three foliar applications with EC + NRN.

Total product quantity per cycle

Product	Code	Per hectare	Per acre
Evolution Community	EC	500 g	202 g
Ancient Root Community	ARC	500 g	202 g
Nano Red Nutrient	NRN	750 g	304 g

Application summary

Application	Timing	Products
1. Soil preparation	Pre-planting / preparation	EC + ARC
2. Seed inoculation	7-10 days after the 1st application	EC + ARC
3. First foliar	15-21 days after planting	EC + NRN
4. Second foliar	10-15 days after the 3rd application	EC + NRN
5. Third foliar	10-15 days after the 4th application	EC + NRN

Chlorine-free water

Use chlorine-free water in all applications to protect microorganism viability.

Conversion

1 hectare = 2.47 acres. Per-acre doses are rounded to make application easier.

Agronomic advice

Apply following best agricultural practices and adjust water volume according to equipment, location, weather and crop conditions. Listen to your field.

1st Application: Soil Preparation

Drench or another soil application method

Recommended timing

Apply during soil preparation, before establishing the crop. Direct the application to the soil and ensure adequate moisture levels.

Products and doses

Product	Code	Per hectare	Per acre
Evolution Community	EC	100 g	40 g
Ancient Root Community	ARC	100 g	40 g

Preparation and application

A) Prepare the EC solution

Mix 100 grams/hectare of EC in 1 liter of water. Wait at least 6 hours before incorporating the ARC solution into the EC solution. The indicated mixing window is 6 to 72 hours.

B) Prepare the ARC solution

Mix 100 grams/hectare of ARC with 1 liter of water. ARC should not be hydrated more than 24 hours before being mixed with EC and applied.

C) Mix just before applying

Mix the EC and ARC solutions, then dilute the complete solution in the water volume needed to cover one hectare. Do not let the EC + ARC mixture sit.

D) Application

Drench the soil with appropriate equipment, directing the application to the soil. Make sure the soil maintains adequate moisture levels.

Important

The required water volume varies according to equipment, location and weather conditions. Consult a local agronomist or use the producer's best agricultural practices.

Microorganism handling

Microorganisms are sensitive to UV light. Prepare and store stock solutions in opaque containers and shaded areas; keep them in a cool, dry place; apply during periods of low UV radiation, preferably late in the afternoon.

2nd Application: Seed Inoculation

Seed coating before planting

Recommended timing

For best results, inoculate the seeds 7 to 10 days after the 1st application.

Products and doses

Product	Code	Per hectare	Per acre
Evolution Community	EC	100 g	40 g
Ancient Root Community	ARC	400 g	162 g

Clarification: seed inoculation

Seed inoculation means impregnating or coating the seed with the biological solution/powder before planting, aiming for uniform coverage so the microorganisms remain close to the root zone from germination.

Preparation and application

A) Prepare the EC solution

Mix 100 grams/hectare of EC in 1 liter of water. Wait at least 6 hours before incorporating the ARC solution into the EC solution. The indicated mixing window is 6 to 72 hours.

B) Prepare the ARC solution

Mix 400 grams/hectare of ARC with 1 liter of water. ARC should not be hydrated more than 24 hours before being mixed with EC and applied.

C) Mix before inoculating

Just before seed inoculation and planting, mix the EC and ARC solutions. Dilute further with chlorine-free water if needed to ensure uniform coverage of the seed required per hectare.

D) Application

After inoculating the seeds, or immediately while inoculating them, plant as usual. Apply any leftover solution directly to the soil.

Microorganism handling

Microorganisms are sensitive to UV light. Prepare and store stock solutions in opaque containers and shaded areas; keep them in a cool, dry place; apply during periods of low UV radiation, preferably late in the afternoon.

3rd Application: First Foliar

Foliar application with Evolution Community + Nano Red Nutrient

Recommended timing

Apply 15-21 days after planting. Apply even if the plant is small; do not skip this early application.

Products and doses

Product	Code	Per hectare	Per acre
Evolution Community	EC	100 g	40 g
Nano Red Nutrient	NRN	250 g	101 g

Preparation and application

A) Prepare the EC solution

Mix 100 grams/hectare of EC in 1 liter of water. Wait at least 6 hours before incorporating the NRN solution into the EC solution. The indicated mixing window is 6 to 72 hours.

B) Prepare the NRN solution

Mix 250 grams/hectare of NRN with 1 liter of water.

C) Mix before applying

Mix the EC and NRN solutions just before foliar application. Dilute in chlorine-free water as needed to ensure uniform foliage coverage. Do not let the EC + NRN mixture sit.

D) Foliar application

Apply the solution to the foliage with equipment suitable for foliar applications: sprayer, drone, tractor or another compatible system.

Important

The required water volume varies according to equipment, location and weather conditions. Consult a local agronomist or use the producer's best agricultural practices.

Microorganism handling

Microorganisms are sensitive to UV light. Prepare and store stock solutions in opaque containers and shaded areas; keep them in a cool, dry place; apply during periods of low UV radiation, preferably late in the afternoon.

4th Application: Second Foliar

Foliar application with Evolution Community + Nano Red Nutrient

Recommended timing

Apply 10-15 days after the 3rd application.

Products and doses

Product	Code	Per hectare	Per acre
Evolution Community	EC	100 g	40 g
Nano Red Nutrient	NRN	250 g	101 g

Preparation and application

A) Prepare the EC solution

Mix 100 grams/hectare of EC in 1 liter of water. Wait at least 6 hours before incorporating the NRN solution into the EC solution. The indicated mixing window is 6 to 72 hours.

B) Prepare the NRN solution

Mix 250 grams/hectare of NRN with 1 liter of water.

C) Mix before applying

Mix the EC and NRN solutions just before foliar application. Dilute in chlorine-free water as needed to ensure uniform foliage coverage. Do not let the EC + NRN mixture sit.

D) Foliar application

Apply the solution to the foliage with equipment suitable for foliar applications: sprayer, drone, tractor or another compatible system.

Important

The required water volume varies according to equipment, location and weather conditions. Consult a local agronomist or use the producer's best agricultural practices.

Microorganism handling

Microorganisms are sensitive to UV light. Prepare and store stock solutions in opaque containers and shaded areas; keep them in a cool, dry place; apply during periods of low UV radiation, preferably late in the afternoon.

5th Application: Third Foliar

Foliar application with Evolution Community + Nano Red Nutrient

Recommended timing

Apply 10-15 days after the 4th application.

Products and doses

Product	Code	Per hectare	Per acre
Evolution Community	EC	100 g	40 g
Nano Red Nutrient	NRN	250 g	101 g

Preparation and application

A) Prepare the EC solution

Mix 100 grams/hectare of EC in 1 liter of water. Wait at least 6 hours before incorporating the NRN solution into the EC solution. The indicated mixing window is 6 to 72 hours.

B) Prepare the NRN solution

Mix 250 grams/hectare of NRN with 1 liter of water.

C) Mix before applying

Mix the EC and NRN solutions just before foliar application. Dilute in chlorine-free water as needed to ensure uniform foliage coverage. Do not let the EC + NRN mixture sit.

D) Foliar application

Apply the solution to the foliage with equipment suitable for foliar applications: sprayer, drone, tractor or another compatible system.

Important

The required water volume varies according to equipment, location and weather conditions. Consult a local agronomist or use the producer's best agricultural practices.

Microorganism handling

Microorganisms are sensitive to UV light. Prepare and store stock solutions in opaque containers and shaded areas; keep them in a cool, dry place; apply during periods of low UV radiation, preferably late in the afternoon.

Protocol closeout

Keep records of dates, doses, crop conditions and observed response for future management.